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INVESTOR IN PEOPLE

The Patent Office  
Concept House  
Cardiff Road  
Newport  
South Wales  
NP10 8QQ

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WIPO

PCT

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

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Signed

Dated 27 August 2004

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Patents Form 1/77

THE PATENT OFFICE  
CD  
22 JUL 2003  
RECEIVED BY FAX

Patents Act 1977  
Rule 160



22JUL03 E824033-2 C80551  
P01/7700 0.09-0317105.5

### Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

The Patent Office

Cardiff Road  
Newport  
South Wales  
NP10 8QQ

1. Your reference

PF 42/IB/jar

2. Patent application number

(The Patent Office will fill in this part)

0317105.5

22 JUL 2003

3. Full name, address and postcode of the or of each applicant (underline all surnames)

Polatis Ltd  
25 Cambridge Science Park  
Milton Road  
Cambridge  
CB4 0FW

Patents ADP number (if you know it)

If the applicant is a corporate body, give the country/state of its incorporation

8105488001

4. Title of the invention

MOBILE PHONE APPLICATION

5. Name of your agent (if you have one)

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

I.p.21 Limited  
Norwich Research Park  
Colney  
NORWICH NR4 7UT

Patents ADP number (if you know it)

8060758001

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

Country

Priority application number  
(if you know it)

Date of filing  
(day / month / year)

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing  
(day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

YES

- a) any applicant named in part 3 is not an inventor, or
- b) there is an inventor who is not named as an applicant, or
- c) any named applicant is a corporate body.

See note (d))

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**Patents Form 1/77**

9. Enter the number of sheets for any of the following items you are filing with this form. Do not count copies of the same document

Continuation sheets of this form	0
Description	1
Claim(s)	0
Abstract	0
Drawing(s)	0

10. If you are also filing any of the following, state how many against each item.

**Priority documents**

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 5/77)

Request for substantive examination (Patents Form 10/77)

Any other documents  
(please specify)

11. I/We request the grant of a patent on the basis of this application.

Signature

ip21 Limited by IB

Date

22/07/03

12. Name and daytime telephone number of person to contact in the United Kingdom

IAN BISHOP

01603 457008

**Warning**

After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

**Notes**

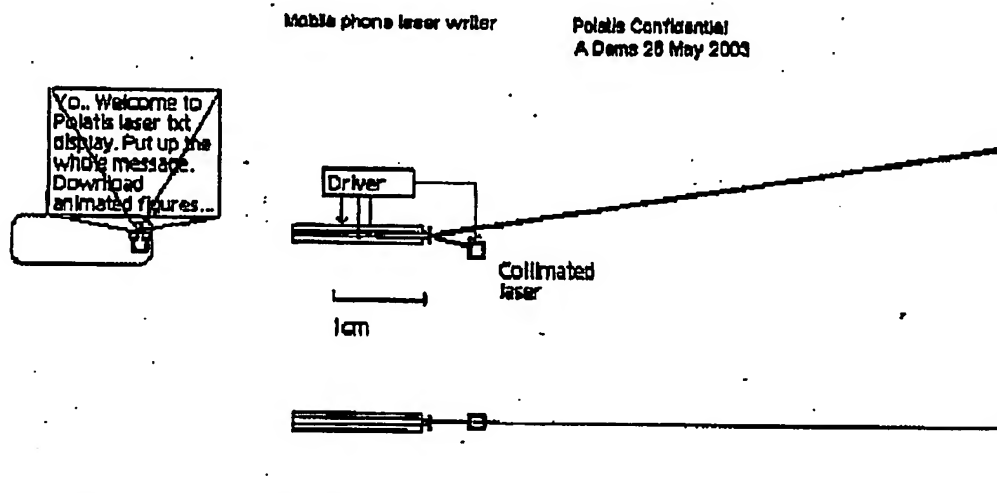
- If you need help to fill in this form or you have any questions, please contact the Patent Office on 08459 500505.
- Write your answers in capital letters using black ink or you may type them.
- If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
- If you have answered 'Yes' Patents Form 7/77 will need to be filed.
- Once you have filled in the form you must remember to sign and date it.
- For details of the fee and ways to pay please contact the Patent Office.

**Mobile phone application**  
**A. Dames 18 July 2003. Polatis Limited**

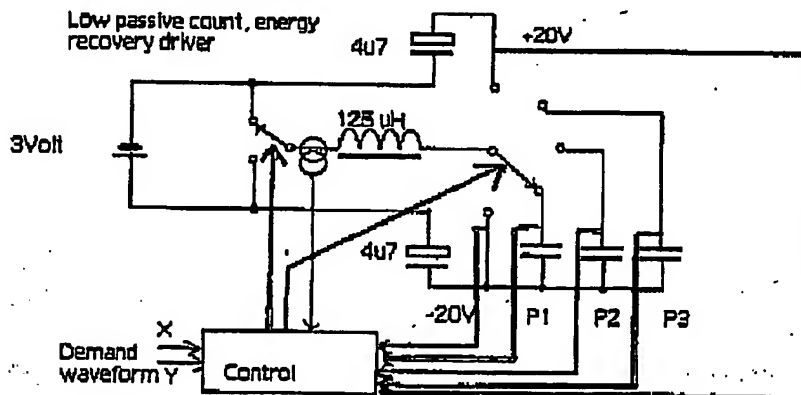
Take one efficient power supply, one 2D scanner (for instance as in Polatis disclosure fast piezo scanner, 18 July 2003), one <5mW red laser diode with collimating lens. Integrate into mobile for projection display of SMS text messages, and downloadable vector displays, static & animated. Good application would be map information (currently limited by small size of screen).

Scrolling map display incorporating simple inertial sensor in phone (eg pair of solid state rate gyros (even better 3 gyros to compensate for picture rotation)). Acts like search light illuminating different portions of picture/map as you point in different directions.

**Fig 1 Mobile phone vector display**



**Fig 2: High efficiency power supply for driving piezo scanner:**



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